AUTHOR INDEX, VOLUME 143

Aday, D. Derek 433
Albanese, Brett 84
Anella, Louis B. 330
Antos, Joseph A. 342
Applegate, Roger D. 239

Baker, S. M. 443
Banas, Lauren E. 169
Behling, Jon 321
Benfield, E. F. 397
Bennett, Stephen H. 70
Berger, Alaina L. 111
Bixler, Andrea 370
Blanchong, Julie A. 405
Bleier, William J. 463
Brazner, John C. 250
Brennan, Leonard A. 64

Cady, Alan B. 487
Cardon, Zoe G. 321
Carr, David E. 169
Conley, Kevin 342
Connors, Lisa M. 53
Cook, A. Gaylon 422

Derge, Katharine L. 355
Detling, James K. 312
Dieter, Charles D. 41
Douglass, Richard J. 257

Fahnestock, Jace T. 312
Ford, Neil B. 453
Fulling, Gregory L. 414

Groffman, Peter M. 53
Gummer, Sherry L. 389
Halaj, Juraj 487
Hamzé, Samara I. 141
Hancock, James F. 154
Hanlin, Hugh G. 70
Harmata, Alan R. 30
Heath, Shelly K. 126
Higgins, Kenneth F. 41
Holdsworth, Andrew R. 201
Homan, H. Jeffrey 463
Hornbach, D. J. 443
Hutchens, J. J., Jr. 297

Jakob, Elizabeth M. 405
James, Matthew L. 298
Jenkins, Stephen H. 377
Jensen, Douglas A. 250
Jensen, Richard J. 154
Johnston, John M. 226
Jolls, Claudia L. 141

Kelso, William E. 433
Khym, Jason R. 178
Kiviat, Erik 53
Kroh, Glenn C. 126

Layzer, James B. 178
Linz, George M. 463
Lodding, Cynthia C. 321
Lott, Dale F. 1

Maher, Christine R. 1
Mahrt, Laura A. 453
Martin, F. Douglas 70
Mathis, Alicia 245
Medley, Kimberly A. 245
Morrison, Michael L. 30
Morse, Douglass H. 201

Neiger, Regg D. 41
Newmark, Jennifer E. 377
Nicholson, Larry C. 414
Northam, Francis E. 481

Osborn, Robert G. 41
Ostfeld, Richard S. 53

Parish, Roberta 342
Parker, George R. 267
Peterson, Mark S. 414
Pinder, John E., III 126
Podruzny, Kevin M. 30
Popson, Mary A. 405
Pregitzer, Kurt S. 94
Puettmann, Klaus J. 111

Reed, David D. 94
Rutheford, D. Allen 433

Salgado-Maldonado, Guillermo 185
Schmidt, David W. 245
Scholz, Tomáš 185
Sedey, Kristine A. 405
Seigel, Richard A. 453
Smith, Winston P. 64
Snyder, Douglas J. 414
Stahlman, Phillip W. 483
Summerfield, Michael S. 405
Swinehart, Anthony L. 267

Tomlinson, Patricia T. 154

Usgaard, Robert E. 41

Van Horn, Russell C. 257
Van Why, Kyle 239
Vokoun, James C. 261

Wellborn, Gary A. 212
Whitaker, John O., Jr. 389
White, Joseph D. 126
Whitlow, Thomas H. 330

AUTHOR INDEX, VOLUME 143

Aday, D. Derek 433
Albanese, Brett 84
Anella, Louis B. 330
Antos, Joseph A. 342
Applegate, Roger D. 239

Baker, S. M. 443
Banas, Lauren E. 169
Behling, Jon 321
Benfield, E. F. 397
Bennett, Stephen H. 70
Berger, Alaina L. 111
Bixler, Andrea 370
Blanchong, Julie A. 405
Bleier, William J. 463
Brazner, John C. 250
Brennan, Leonard A. 64

Cady, Alan B. 487
Cardon, Zoe G. 321
Carr, David E. 169
Conley, Kevin 342
Connors, Lisa M. 53
Cook, A. Gaylon 422

Derge, Katharine L. 355
Detling, James K. 312
Dieter, Charles D. 41
Douglass, Richard J. 257

Fahnestock, Jace T. 312
Ford, Neil B. 453
Fulling, Gregory L. 414

Groffman, Peter M. 53
Gummer, Sherry L. 389
Halaj, Juraj 487
Hamzé, Samara I. 141
Hancock, James F. 154
Hanlin, Hugh G. 70
Harmata, Alan R. 30
Heath, Shelly K. 126
Higgins, Kenneth F. 41
Holdsworth, Andrew R. 201
Homan, H. Jeffrey 463
Hornbach, D. J. 443
Hutchens, J. J., Jr. 297

Jakob, Elizabeth M. 405
James, Matthew L. 298
Jenkins, Stephen H. 377
Jensen, Douglas A. 250
Jensen, Richard J. 154
Johnston, John M. 226
Jolls, Claudia L. 141

Kelso, William E. 433
Khym, Jason R. 178
Kiviat, Erik 53
Kroh, Glenn C. 126

Layzer, James B. 178
Linz, George M. 463
Lodding, Cynthia C. 321
Lott, Dale F. 1

Maher, Christine R. 1
Mahrt, Laura A. 453
Martin, F. Douglas 70
Mathis, Alicia 245
Medley, Kimberly A. 245
Morrison, Michael L. 30
Morse, Douglass H. 201

Neiger, Regg D. 41
Newmark, Jennifer E. 377
Nicholson, Larry C. 414
Northam, Francis E. 481

Osborn, Robert G. 41
Ostfeld, Richard S. 53

Parish, Roberta 342
Parker, George R. 267
Peterson, Mark S. 414
Pinder, John E., III 126
Podruzny, Kevin M. 30
Popson, Mary A. 405
Pregitzer, Kurt S. 94
Puettmann, Klaus J. 111

Reed, David D. 94
Rutheford, D. Allen 433

Salgado-Maldonado, Guillermo 185
Schmidt, David W. 245
Scholz, Tomáš 185
Sedey, Kristine A. 405
Seigel, Richard A. 453
Smith, Winston P. 64
Snyder, Douglas J. 414
Stahlman, Phillip W. 483
Summerfield, Michael S. 405
Swinehart, Anthony L. 267

Tomlinson, Patricia T. 154

Usgaard, Robert E. 41

Van Horn, Russell C. 257
Van Why, Kyle 239
Vokoun, James C. 261

Wellborn, Gary A. 212
Whitaker, John O., Jr. 389
White, Joseph D. 126
Whitlow, Thomas H. 330

Wike, Lynn D. 70
Williams, Christopher K. 239

Yahner, Richard H. 355
Zedler, Joy B. 298
Zelenak, James R. 30
Zhang, Quanfa 94
Zollner, Patrick A. 64

SUBJECT INDEX, VOLUME 143

Abies lasiocarpa, growth of tree seedling bank . . 342
Acer rubrum, photosynthetic response to flooding 330
Amphibians, activity, abundance, richness 70
agonistic behavior in Ozark zigzag salamander 245
Arizona, ecology of garter snake 453
Arkansas, agonistic behavior in Ozark zigzag salamanders 245
home range use by swamp rabbits 64

Behavior, animal, agonistic in Ozark zigzag salamanders 245
agonistic in Merriam's kangaroo rats 377
mate guarding and aggression by crab spider 201
Betula cordifolia and *B. alleghaniensis*, water relations on landslides 321
Biogeochemistry, muskrat effects on vegetation, N mineralization and nitrification 53
Birds, habitat and survival of ring-necked pheasants 463
mortality at wind turbines 41
northern woodrat feeds on northern bobwhite 239
radar scanning of bird migration 30
British Columbia, tree seedling bank in subalpine spruce fir forests 342

California, colonization of volcanic mudflow . . . 126
salt marsh-coastal scrub ecotone 298
Centrocestus formosanus, introduction and dispersal in Mexico 185
Cirsium pitcherii, germination ecology 141
Colinus virginianus, eaten by eastern woodrat . . 239
Cornus florida, effects of dogwood anthracnose . . 169
Cycleptus meridionalis, spawning migration 414

Dipodomys merriami, agnostic behavior 377
Discula destructiva, effects on dogwood 169
Dreissena polymorpha, colonization on rusty crayfish 250
infesting unionid mussels 443
Ecology, animal, amphibian activity, abundance, richness 70
bird migration-radar scanning 30
bird mortality at wind turbines 41
costs of living in groups of pholcid spider . . . 405
earthworms as food of harvestmen 487
ecology of sympatric fox squirrels 355
fish host of black sandshell 178
food webs in coniferous forest 226
genetic variability in striped skunks 370
gypsy moth effects on defoliation and detritus processing 397
habitat use and survival of ring-necked pheasants 463
hypoxic effects on RNA-DNA ratios of bluegill 433
muskrat effects on vegetation, N mineralization and nitrification 53
population structure and dynamics of big brown bats 389
reproductive behavior and spawning microhabitat of flagfin shiner 84
reproduction of garter snake 453
territoriality, ecological determinants vertebrates 1
territoriality in Ozark zigzag salamanders 245
territoriality in shortnose gar 261
woodrat feeds on northern bobwhite 239
zebra mussel colonize rusty crayfish 250
zebra mussels infesting unionid mussels 443

Ecology, plant, anthracnose on dogwood 169
branching of panicles of *Setaria* 481
colonization of volcanic mudflow 126
germination ecology of Pitcher's thistle 141
growth of tree seedlings in subalpine spruce-fir forest 342
herbaceous plant diversity in aspen forest 111
historical changes in forests 94
long-term grazing on perennial grasses 312
paleoecology of peatlands 267
red maple photosynthetic response to flooding 330
salt marsh-coastal scrub ecotone 298
water relations of *Betula* on landslides 321
Eptesicus fuscus, population structure and dynamics 389

Fish, hosts of black sandshell 178
hypoxic effects on RNA-DNA ratios of bluegill 433
reproductive behavior and spawning microhabitat of flagfin shiner 84
shortnose gar feeding on periodical cicadas . . 261
spawning migration of *Cycleptus meridionalis* . . 414
suckers of genus *Pantosteus* 422

Holocnemus pluchei, cost of living in groups 405
Hyalella azteca, selection on a sexually dimorphic tract 212

Indiana, paleoecology of peatlands 267
population structure and dynamics of big brown bats 389
Insects, periodical cicadas eaten by shortnose gar 261
Invertebrates, other than insects, crab spider mate guarding and aggression 201
earthworms as food of harvestmen 487
ecotypes of *Hyalella* 212
microarthropods in coniferous forest food web 226
pholcid spider, cost of living in group 405
zebra mussels colonizing rusty crayfish 250
zebra mussels on unionid mussels 443

Kansas, branching of panicles of *Setaria* 481

Lepisosteus platostomus, foraging on periodical cicadas 261
Lepomis macrochirus, hypoxic effects on RNA-DNA ratios 433
Ligumia recta, fish hosts 178
Louisiana, hypoxic effects on RNA-DNA ratios of bluegill 433
Lycium californicum, in salt marsh-coastal shrub ecotone 298
Lymantria dispar, effects on defoliation and detritus processing 397

Maine, mate guarding and aggression by crab spider 201
Mammals, agonistic behavior of wood rats 377
disinfectant not effect capture rates of deer mice 257
ecology of sympatric fox squirrels 355
genetic variability in striped skunks 370
home range use by swamp rabbits 64
muskrat effects on vegetation, N mineralization and nitrification 53
population structure and dynamics of big brown bats 389
Mephitis mephitis, genetic variability 370
Mexico, introduction and dispersal of *Centrocestus formosanus* 185
Michigan, ecology of pitcher's thistle 141
ecotypes of *Hyalella* 212
historical changes in forests 94
zebra mussel colonizing rusty crayfish 250
Minnesota, bird mortality at wind turbines 41
herbaceous plant diversity in aspen forest 111
Mississippi, reproductive behavior and spawning microhabitat of flagfin shiner 84
spawning migration of *Cycleptus meridionalis* 414
Missouri, shortnose gar feeding on periodical cicadas 261
Misumena vatia, mate guarding and aggression 201
Montana, bird migration 30
disinfectant not affect capture rates of deer mice 257
long-term grazing on perennial grasses 312

Neotoma floridana, consumption of northern bobwhite 239
New Hampshire, water relations of *Betula* on landslides 321
New York, muskrat effects on vegetation, N mineralization and nitrification 53
photosynthetic response of red maple to flooding 330
North Carolina, effects of gypsy moth on defoliation and detritus processing 397
North Dakota, habitat use and survival of ring-necked pheasants 463

Ondatra zibethicus, disturbance to vegetation, N mineralization and nitrification 53
Orconectes rusticus, colonized by zebra mussel . . . 250

Paleoecology, peatlands in Indiana 267
Pantosteus, synonymies 422
Parasites, fish hosts of black sandshell 178
introduction and dispersal of *Centrocestus formosanus* 185
Pennsylvania, ecology of sympatric fox squirrels 355
Peromyscus maniculatus, disinfectant not effect capture rate 257
Phasianus colchicus, habitat use and survival . . . 463
Picea engelmamii, growth of tree seedling bank . . 342
Plethodon angusticlavius, agonistic behavior 245
Pteronoptropis signipinnis, reproductive behavior and spawning microhabitat 84

Quercus section Lobatae, do sylvic characters indicate hybridization 154

Reptiles, geographic variation in reproduction of garter snake 453

Sciurus niger and *S. carolinensis*, ecology at forest-farmland interface 355
Setaria spp., branching of panicles 481
South Carolina, amphibian activity, abundance, richness 70
Sylvilagus aquaticus, home range use 64
Systematics, animal, ecotypes of *Hyalella* 212
synonymies of *Pantosteus* 422
Systematics, plant, hybridization of red oaks 154

Tennessee, fish hosts of black sandshell 178
genetic variability in striped skunks 370
Territoriality, invertebrates, a review 1
Ozark zigzag salamanders 245
shortnose gar 261
Thamnophis marcianus, timing of birth and geographic variation in reproduction 453

Utah, synonymies of *Pantosteus* 422

Vertebrates, a review of territoriality 1
Virginia, anthracnose on dogwood 169
Volcano, colonization of mudflow 126

Wisconsin, hybridization in red oaks 154